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NAS CECIL FIELD, FL
5090.3a

DIG AND HAUL PACKAGE FOR FORMER RAILROAD BED BUILDING 635 LOADING DOCK AREA NAS CECIL FIELD FL

4/15/2002

TETRA TECH NUS INC

DIG AND HAUL PACKAGE
for
Former Railroad Bed - Building 635 Loading Dock Area

SITE BACKGROUND

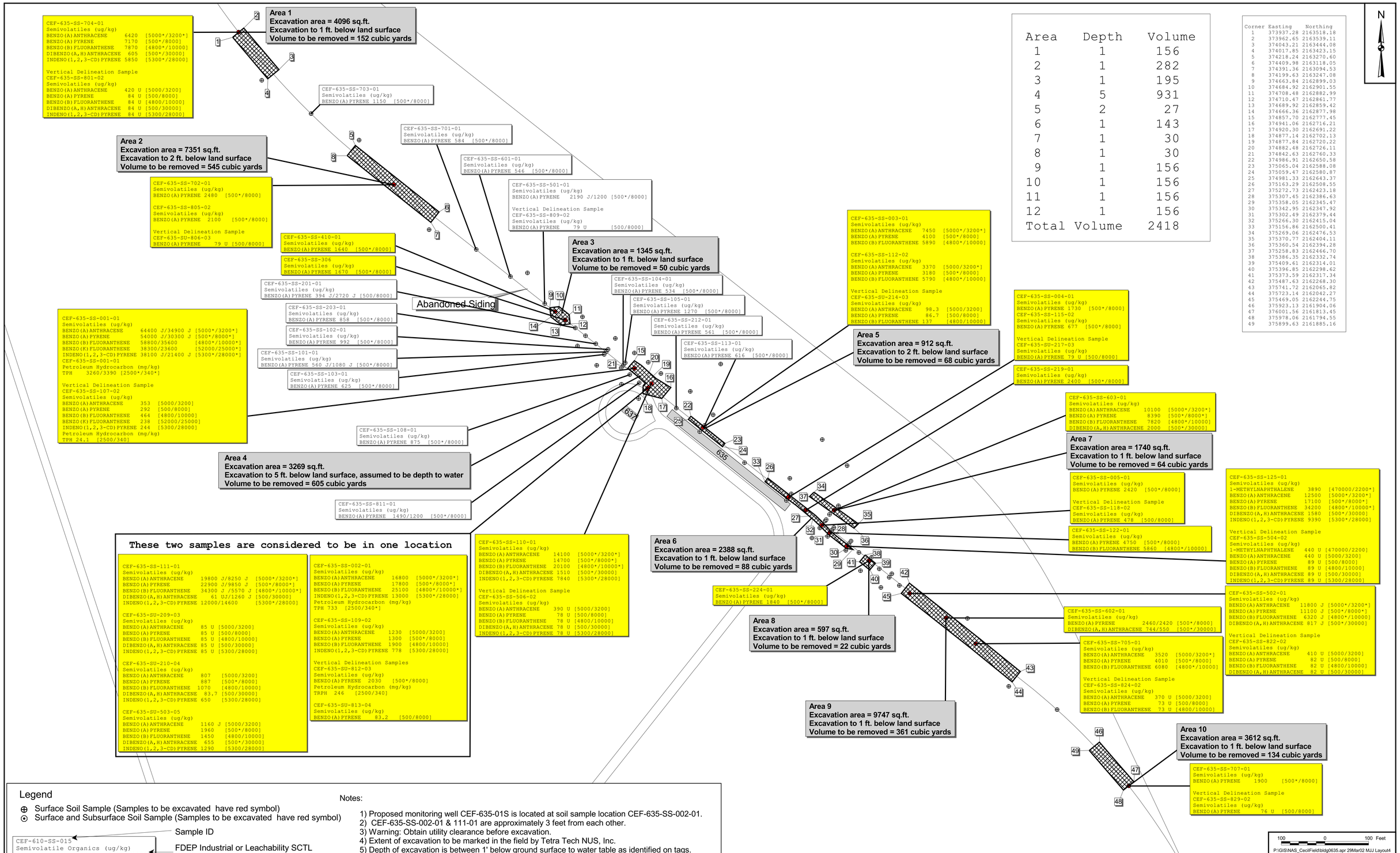
Polynuclear aromatic hydrocarbons (PAHs) and total recoverable petroleum hydrocarbons (TRPH) were detected at concentrations in excess of industrial and leachability soil cleanup target levels (SCTLs) in surface and subsurface soil samples collected along the former railroad bed in the Building 635 area. Analytical results were reviewed by the Base Realignment and Closure (BRAC) Cleanup Team (BCT), and a decision was made to delineate the extent of contaminated soil. Additional site background information may be obtained through reference to the Sampling and Analysis Work Plans for Building 635 Loading Dock Area (Tetra Tech NUS, Inc. [TtNUS], June 2, 2000; July 31, 2000; September 12, 2000; September 22, 2000: November 2, 2000; January 22, 2001; March 2, 2001; April 26, 2001; and July 12, 2001). Figure E-1 presents the limits of excavation required to achieve concentrations that result in the 95% UCL of the mean less than the industrial SCTLs and concentrations less than the leachability SCTLs.

GUIDANCE NOTES

This information is provided for general guidance purposes only. The approximate area of excavation is shown on Figure E-1. The actual extent of excavation will be defined in the field by TtNUS with white spray-down paint (or equivalent) prior to the execution of the removal action.

The Remedial Action Contractor (RAC) shall be responsible for the following:

- The schedule and methods of excavation.
- All aspects of work-site health and safety.
- Identification and avoidance of all aboveground and underground utilities or other manmade structures.
- Waste characterization, transport (both on and off site), and disposal of all excavated soil.
- Notification of TtNUS and the Navy if observations indicate contaminants may extend beyond the planned lateral or vertical limits of the excavation.
- Depths of excavation range from 1 foot below ground surface to the water table (assumed to be approximately 5 feet). Except where necessary for avoidance of structures or utilities, or where otherwise specified by TtNUS, the excavations should extend to the depths presented in Figure E-1.
- Excavated soil shall be stockpiled on, and covered with, heavy-duty polyethylene sheeting at the site. This shall be done in a manner to avoid the potential for contaminating surrounding soil or surface water. Alternately, soils may be stockpiled in properly covered roll-off containers.
- Stockpiling and combining of materials from different sites is permitted with prior approval of the BCT, if similar types and concentrations of contaminants are involved and were generated by similar processes.
- Materials used to backfill the excavation shall be from an uncontaminated source and be capable of supporting the same type of vegetation as the soil removed. The ground surface shall be restored to a similar or better condition than existed prior to excavation.



Area	Depth	Volume
1	1	156
2	1	282
3	1	195
4	5	931
5	2	27
6	1	143
7	1	30
8	1	30
9	1	156
10	1	156
11	1	156
12	1	156
Total Volume		2418

Corner	Easting	Northing
1	373937.28	2163518.18
2	373962.65	2163539.11
3	374043.21	2163444.08
4	374017.85	2163423.15
5	374218.24	2163270.60
6	374409.98	2163118.05
7	374391.36	2163094.53
8	374199.63	2163247.08
9	374663.84	2162899.03
10	374684.92	2162901.55
11	374708.48	2162882.99
12	374710.47	2162861.77
13	374689.92	2162859.42
14	374666.36	2162877.98
15	374857.70	2162777.45
16	374941.06	2162716.21
17	374920.30	2162691.22
18	374877.14	2162702.13
19	374877.84	2162720.22
20	374882.48	2162726.11
21	374842.63	2162760.33
22	374986.91	2162650.58
23	375065.04	2162588.08
24	375059.47	2162580.87
25	374981.33	2162643.37
26	375163.29	2162508.55
27	375272.73	2162423.18
28	375307.45	2162386.63
29	375358.05	2162345.47
30	375342.95	2162347.92
31	375302.49	2162379.44
32	375266.30	2162415.04
33	375156.86	2162500.41
34	375269.06	2162476.53
35	375370.77	2162404.11
36	375360.54	2162394.28
37	375258.83	2162466.70
38	375386.35	2162332.74
39	375409.61	2162314.01
40	375396.85	2162298.62
41	375373.59	2162317.34
42	375487.63	2162268.30
43	375741.72	2162065.82
44	375723.14	2162042.27
45	375469.05	2162244.75
46	375923.13	2161904.06
47	376001.56	2161813.45
48	375978.06	2161794.55
49	375899.63	2161885.16

Legend

- ⊕ Surface Soil Sample (Samples to be excavated have red symbol)
- ⊙ Surface and Subsurface Soil Sample (Samples to be excavated have red symbol)

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CEF-610-SS-015
Semivolatile Organics (ug/kg)
BENZO(A)PYRENE 648 [100*/8000]
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- Sample ID
- FDEP Industrial or Leachability SCTL [* indicates criteria exceeded]
- Detection Concentration
- Parameter

Yellow Tags - Sample to be removed to achieve 95% UCL
White Tags - Exceedances that can remain in place to achieve Site-wide 95% UCL
Sample Locations without tags did not exceedance FDEP 62-777 Industrial Criteria.

Notes:

1) Proposed monitoring well CEF-635-01S is located at soil sample location CEF-635-SS-002-01.
2) CEF-635-SS-002-01 & 111-01 are approximately 3 feet from each other.
3) Warning: Obtain utility clearance before excavation.
4) Extent of excavation to be marked in the field by Tetra Tech NUS, Inc.
5) Depth of excavation is between 1' below ground surface to water table as identified on tags.
6) Contaminants of concern are PAHs and TPH.
7) Waste characterization, transport, and disposal of excavated soil are the responsibility of the remedial action contractor.
8) Return site to pre-excavation conditions.
9) When needed provide proper support of excavation walls to prevent damage to adjacent building and paved areas.

DRAWN BY	DATE	
CHECKED BY	DATE	
	DATE	
SCALE AS NOTED		

REMOVAL ACTION DESIGN PLAN
SOIL EXCAVATION
FORMER RAILROAD BED - BUILDING 635
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

CONTRACT NO.	
OWNER NO.	
APPROVED BY	DATE
DRAWING NO. FIGURE E-1	REV. 0